Math 30S Essential
Course and Evaluation Outline
2020-2021

Instructor: Mr. K. Nixon

"Math isn't about the number on the screen of a calculator, it's a problem-solving process that should force a student to think about what that answer means."

Course Outline

- Slope and Rate of Change
- Graphical Representations
- Surface Area, Volume, and Capacity
- Trigonometry of Right Triangles
- Scale Representations
- Financial Services
- Personal Budgets

*Order of units may vary.

- Problem Analysis/Recreational Math – Ie. Mental Math

Class Expectations

- Students are expected to show respect in class towards classmates, teachers, the materials in the classroom, and other's belongings.
- Students are expected to show a sense of responsibility. Get to class on time, bring what's necessary to learn, and expect to work as soon as the bell goes.
- Ipods, music devices, etc. will not be permitted during a lesson, class discussion, quiz, or test. If an assignment is given and you are expected to work at it on your own, as long as you aren't distracting the people around you, students can listen to music.
- Tests/Assignments/Projects
    - Please refer to the updated SCI Assessment Guidelines (Attached)
    - Tests must be written on the scheduled date.
        - Make-up dates will be arranged between the student and teacher based on the reason requiring an alternate date.
    - Projects/Assignments are to be handed in on the due date.

- BRIGHTSPACE WILL BE USED TO POST ASSIGNMENTS, please use your student login.
  - Also, BRIGHTSPACE will be a method of communication between student and teacher.

Evaluation

In Class Work		**80%**
• *Mental Math/Quizzes*	*20%*	
• *Problem Solving*	*30%*	
○ *Ie. Assignments*		
○ *Projects*		
• *Knowledge and Understanding*	*50%*	
○ *Ie. Tests*		
Final Exam		**20%**
Total		**100%**

Daily assignments will be given each class and checked regularly.
- Not all work will be included in a student's grade, but used to evaluate learning behaviors
- Punctuality, Preparedness, and Task Completion will be monitored regularly.

Tests are written throughout each unit.

Assessment

Student grades will reflect the following processes:
- Communication ("Tell me about it")
- Connections ("How does this apply to you")
- Mental Math ("Do it in your head")
- Problem Solving ("How would you/How could you")
- Reasoning ("Why do you think that's right?")
- Technology
- Visualization ("Make, Draw, Interpret Images")

Required Materials

(1) One Scientific Calculator
(2) One Geometry Set/Ruler
(3) One "three-ring" binder with loose-leaf
(4) Pencil/Pens, Eraser

***Textbooks will be used in class, and signed-out when needed.

Extra Help is available upon request, all a student has to do is ask!!!

Assessment:

Creating the Grade:

- Grades will be based only on the demonstration of an individual student's knowledge and skills of the outcomes for each course:
  - Only items marked by the teacher will determine a student's grade
  - Grades are based on individual student achievement, not group achievement
- When determining a grade, the teacher will decide whether there is sufficient evidence of achievement. If not, the mark can be reported as an "*IN*" (incomplete). Teachers will determine with students and parents/guardians a plan for completion of work.

Establish, communicate, and apply consequences for late and missing work:

Students must understand that there will be consequences for not completing assignments that provide evidence of learning or for submitting those assignments late. If, after establishing and clearly communicating expectations regarding assignments, setting and communicating timelines for assignments, and supporting student learning using the strategies provided above, student work is still late or missing; teachers will apply the following strategies:

- confer with the student and, where appropriate, with the student's parent/guardians about the reasons for not completing the assignment, and consider the legitimacy of reasons;
- develop an agreement with the student to complete the work;
- require the student to complete missing work during lunch by attending the Assessment Completion Centre (ACC).

If, after completing the steps above, the student does not hand in the assessment by the agreed upon deadline, a zero may be used as a mark as the student has not demonstrated any knowledge or skill of the outcome.

The consequence for not completing work is to complete the work. Late marks will not be subtracted from an assignment as it is purely punitive and doesn't measure learning. The assignment will either be completed or given a zero.

The full policy is available on the SCI website under "Student Handbook".